

Standards Change Request

Curating System Identifier

SCR3-1077.v1

Provenance:

Date: 2006-05-12

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Problem:

There is a need for a housekeeping keyword to simply and unambiguously indicate within the PDS catalog database, the agency level system that curates a cataloged data set. This keyword is for operational purposes and is being prompted by the proposed ingestion of catalog information for data sets that are not curated by the PDS.

Current Urgency:

This SCR addresses an issue arising from the development of the simple prototype outlined in the white paper, "NASA-PDS/ESA-PSA Planetary Data Interoperability". The development of this prototype involves the ingestion into the PDS Catalog of the ESA/PSA data set, MEX-M-HRSC/SRC-3-RDR-0501-V1.0. This prototype is currently under development with demonstrations scheduled over the next few months.

Proposed Solution:

This SCR requests that the new keyword `curating_system_id` be added as a housekeeping data element for use in the PDS Catalog database. This data element will not be included in any archive catalog templates. It will be implemented as a database field for operational purposes and its initial values will be "ESA_PSA" and "NASA_PDS". This data element is similar in concept to the housekeeping data element `curating_node_id` and is an indicator of the agency level system that curates the data set. The definition will emphasize "custodial" responsibilities with minimal credit implied. In particular this data element a) will indicate who to first contact regarding operational issues involving the data set and b) in general be used to group and order operational query results.

Impact Assessment:

This housekeeping keyword will impact the system as follows.

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- 1) The data dictionary will need to be updated.
- 2) The catalog database schema for data set information will need a new field
- 3) The catalog database table field will need to be populated with the appropriate values.
- 4) Operational software such as the reconciliation report extract program will need to be modified to handle a new class of data sets.
- 5) The Data Set profile server will need to handle the new data element.
- 6) Depending on future discussions the Data Set View jsp utility might need to display the value of this data element when the detailed data set information is requested.
- 7) The Housekeeping catalog ingestion objects, when constituted, will need to include this keyword. (Ref. SCR 3-1046)

Additional Information:

This SCR is related to the "Space Agency Institution Identifier SCR (3-1065), which attempts to provide a location for acknowledging credit.

Requested Changes:

The following is the proposed element definition.

PDS_VERSION_ID	=	PDS3
LABEL_REVISION_NOTE	=	"2006-05-04, EN: S. Hughes"
OBJECT	=	ELEMENT_DEFINITION
ELEMENT_NAME	=	"curating_system_id"
BL_NAME	=	"curatngsysid"
DESCRIPTION	=	"

The curating_system_id element indicates which system at an agency level has custodial responsibilities for a data set. No credit for any contribution is implied."

GENERAL_DATA_TYPE	=	"CHARACTER"
MAXIMUM	=	"N/A"
MINIMUM	=	"N/A"
MAXIMUM_LENGTH	=	"10"
MINIMUM_LENGTH	=	"N/A"
STANDARD_VALUE_TYPE	=	"DYNAMIC"
STANDARD_VALUE_SET_DESC	=	"N/A"
KEYWORD_DEFAULT_VALUE	=	"N/A"
UNIT_ID	=	"NONE"

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SOURCE_NAME = "PDS EN/S. HUGHES"
FORMATION_RULE_DESC = "N/A"
OBJECT = ELEMENT STANDARD VALUE
  COLUMN VALUE = "ESA PSA"
  COLUMN VALUE TYPE = ""
  COLUMN VALUE NODE ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT STANDARD VALUE

OBJECT = ELEMENT STANDARD VALUE
  COLUMN VALUE = "NASA PDS"
  COLUMN VALUE TYPE = ""
  COLUMN VALUE NODE ID = ""
  OUTPUT_FLAG = "Y"
END_OBJECT = ELEMENT STANDARD VALUE

SYSTEM_CLASSIFICATION_ID = "COMMON"
GENERAL_CLASSIFICATION_TYPE = "DATASET"
CHANGE_DATE = "2006-05-04"
STATUS_TYPE = "PENDING"
STANDARD_VALUE_OUTPUT_FLAG = "Y"
TEXT_FLAG = "N"
TERSE_NAME = "curatngsysid"
SQL_FORMAT = "CHAR(10)"
BL_SQL_FORMAT = "char(10)"
DISPLAY_FORMAT = "JUSTLEFT"
AVAILABLE_VALUE_TYPE = "N/A"
END_OBJECT = ELEMENT_DEFINITION
END
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